

FIG. 1

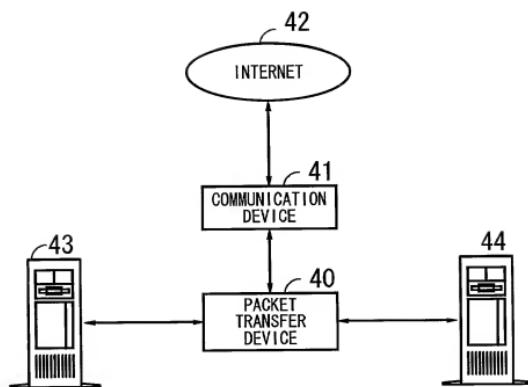


FIG. 2

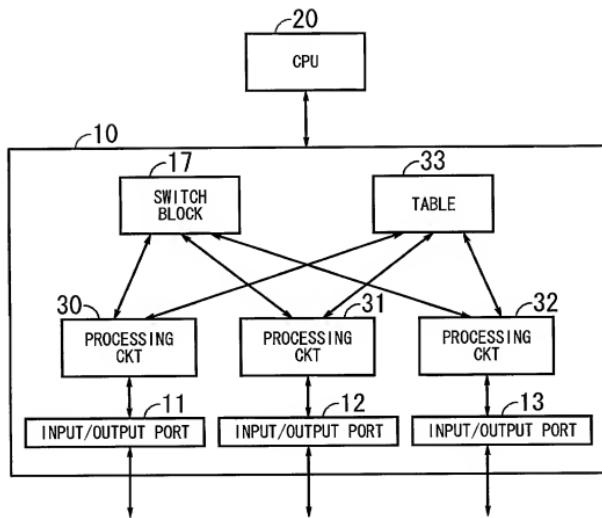


FIG. 3

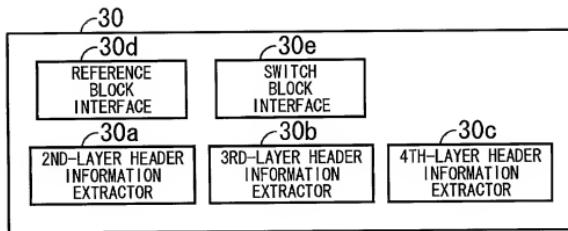


FIG. 4(A)

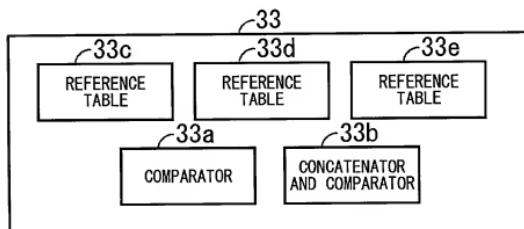


FIG. 4(B)

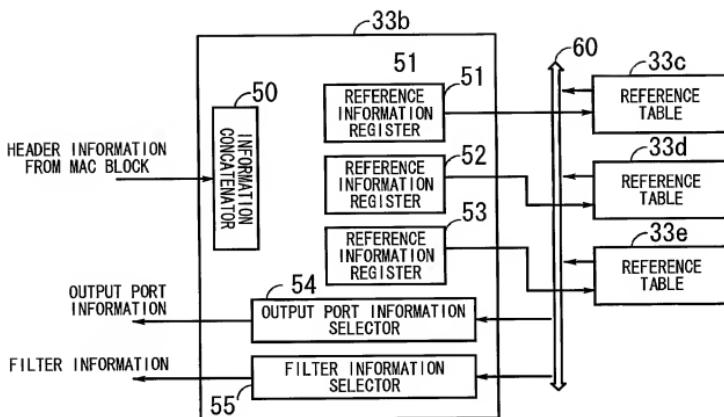


FIG. 5

REFERENCE FIELD		DATA FIELD		
SOURCE IP ADDRESS	DESTINATION IP ADDRESS	SOURCE TCP PORT NUMBER	DESTINATION TCP PORT NUMBER	INPUT/OUTPUT PORT
SA#1	DA#1	SP#1	DP#1	P#1
SA#2	DA#2	SP#2	DP#2	P#2
SA#3	DA#3	SP#3	DP#3	—
				YES

FIG. 6

REFERENCE FIELD		DATA FIELD			
RECEPTION INPUT/OUTPUT PORT	SOURCE IP ADDRESS	DESTINATION IP ADDRESS	SOURCE TCP PORT NUMBER	DESTINATION TCP PORT NUMBER	INPUT/OUTPUT PORT
PORT 11	gary	gg#1	tcpAny	80	CPU
PORT 11	gary	gg#1	tcpAny	100	—
•	•	•	•	•	•
•	•	•	•	•	•

FIG. 7

	DESTINATION MAC ADDRESS	SOURCE MAC ADDRESS	SOURCE IP ADDRESS	DESTINATION IP ADDRESS	SOURCE TOP PORT NUMBER	DESTINATION TCP PORT NUMBER
PACKET #1	ma#1	max	gax	ge#1	x	80
PACKET #2	ma#1	max	gax	ge#1	x	100

FIG. 8

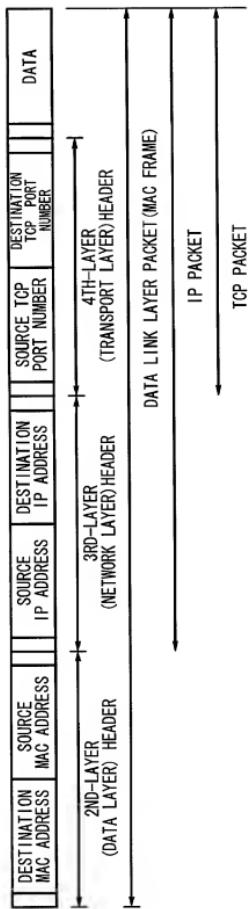


FIG. 9

REFERENCE FIELD		DATA FIELD		
SOURCE IP ADDRESS	DESTINATION IP ADDRESS	SOURCE TCP PORT NUMBER	DESTINATION TCP PORT NUMBER	INPUT/OUTPUT PORT
pa#1	pa#2	tcpAny	110	PORT 13
pa#1	pa#2	tcpAny	100	—
:	:	:	:	YES
:	:	:	:	:
:	:	:	:	:

FIG. 10

	DESTINATION MAC ADDRESS	SOURCE MAC ADDRESS	SOURCE IP ADDRESS	DESTINATION IP ADDRESS	SOURCE TCP PORT NUMBER	DESTINATION TCP PORT NUMBER
PACKET #1	mpa#2	mpa#1	pa#1	pa#2	x	110
PACKET #2	mpa#2	mpa#1	pa#1	pa#2	x	100
:	:	:	:	:	:	:

FIG. 11

REFERENCE FIELD		DATA FIELD	
SOURCE IP ADDRESS	DESTINATION IP ADDRESS	INPUT/OUTPUT PORT	FILTERING
pa#4	pa#1	PORT 12, 13	NO
pa#4	pa#2	PORT 13	YES
:	:	:	:
:	:	:	:

FIG. 12

REFERENCE FIELD		DATA FIELD		
SOURCE IP ADDRESS	DESTINATION IP ADDRESS	SOURCE TCP PORT NUMBER	DESTINATION TCP PORT NUMBER	INPUT/OUTPUT PORT
pa#4	pa#1	x	110	PORT 13 NO
pa#4	pa#2	x	100	PORT 13 NO
:	:	:	:	:
:	:	:	:	:

FIG. 13

FIG. 14

	DESTINATION MAC ADDRESS	SOURCE MAC ADDRESS	SOURCE IP ADDRESS	DESTINATION IP ADDRESS	SOURCE TCP PORT NUMBER	DESTINATION TCP PORT NUMBER
PACKET #1	ma#1	ma#2	pa#4	pa#1	x	110
PACKET #2	ma#1	ma#2	pa#4	pa#2	x	100
:	:	:	:	:	:	:

REFERENCE FIELD	DATA FILED
IP ADDRESS #1	PORT 11
IP ADDRESS #2	PORT 12
IP ADDRESS #3	PORT 13

FIG. 15 (A)

REFERENCE FIELD	DATA FIELD
TCP PORT #1	PORT 11
TCP PORT #2	PORT 12
TCP PORT #3	PORT 13

FIG. 15 (B)

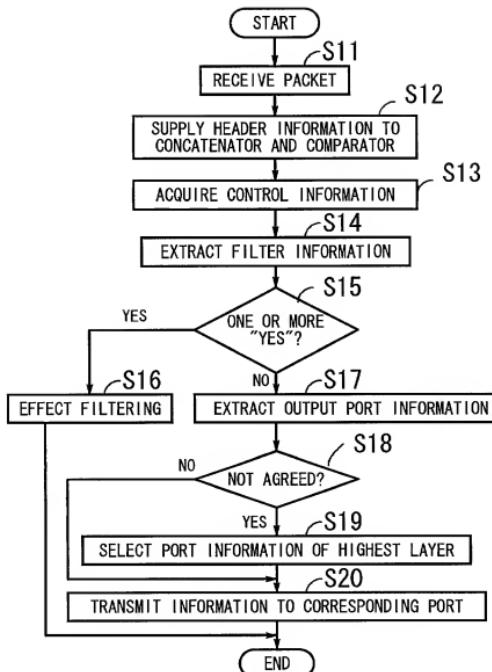


FIG. 16

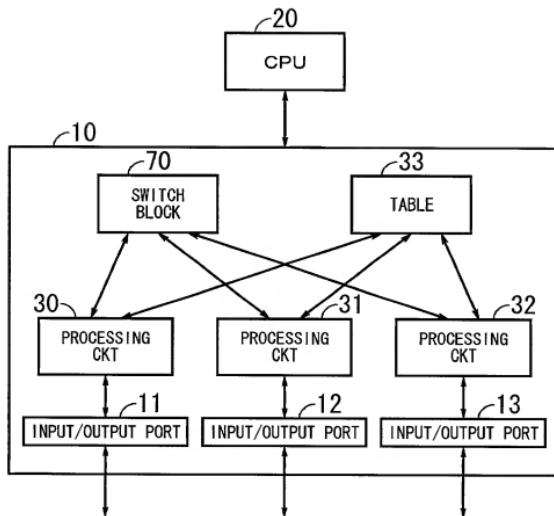


FIG. 17

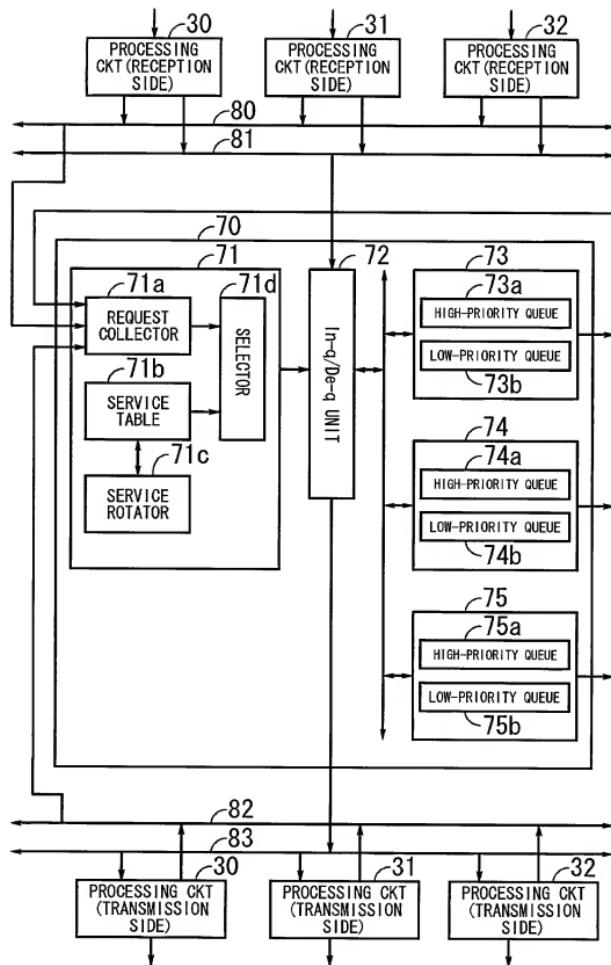


FIG. 18

REFERENCE FIELD		DATA FIELD		
SOURCE IP ADDRESS	DESTINATION IP ADDRESS	SOURCE TCP PORT NUMBER	DESTINATION TCP PORT NUMBER	INPUT/OUTPUT PORT
SA#1	DA#1	SP#1	DP#1	P#1
SA#2	DA#2	SP#2	DP#2	P#2
SA#3	DA#3	SP#3	DP#3	—

FIG. 19

REFERENCE FIELD		DATA FIELD			
SOURCE IP ADDRESS	DESTINATION IP ADDRESS	SOURCE TCP PORT NUMBER	DESTINATION TCP PORT NUMBER	INPUT/OUTPUT PORT	PRIORITY
any	pa#2	6000	6300	PORT 12	PRIORITY HIGH
any	pa#2	any	100	PORT 12	PRIORITY LOW
:	:	:	:	:	:
:	:	:	:	:	:

FIG. 20

	DESTINATION MAC ADDRESS	SOURCE MAC ADDRESS	SOURCE IP ADDRESS	DESTINATION IP ADDRESS	SOURCE TOP PORT NUMBER	DESTINATION TCP PORT NUMBER
PACKET #1	ma#2	ma#1	pa#1	pa#2	6000	6300
PACKET #2	ma#2	ma#3	pa#3	pa#2	x	100
:	:	:	:	:	:	:
:	:	:	:	:	:	:

FIG. 21

100100100100100100100100100100100

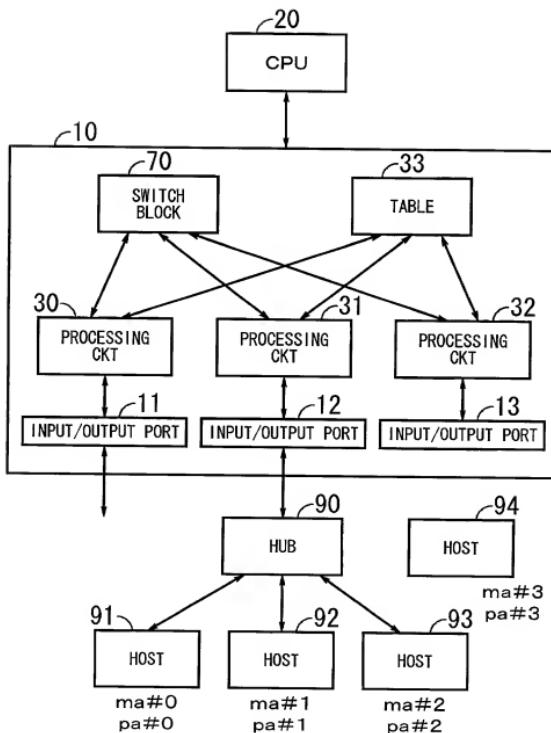


FIG. 22

No.	CONTROL BITS	SOURCE IP ADDRESS	DESTINATION IP ADDRESS	SOURCE TCP PORT NUMBER	DESTINATION TCP PORT NUMBER	TOS	PRIORITY: PORT
1	10001	pa#0	pa#3	—	—	000	LOW:PORT 12
2	10001	pa#1	pa#3	—	—	100	HIGH:PORT 12
3	10001	pa#2	pa#3	—	—	010	MEDIUM:PORT 12
..

FIG. 23

	DESTINATION MAC ADDRESS	SOURCE MAC ADDRESS	SOURCE IP ADDRESS	DESTINATION IP ADDRESS	TOS VALUE
PACKET #1	ma#3	ma#0	pa##0	pa##3	000
PACKET #2	ma#3	ma#1	pa##1	pa##3	100
PACKET #3	ma#3	ma#2	pa##2	pa##3	010
.

FIG. 24

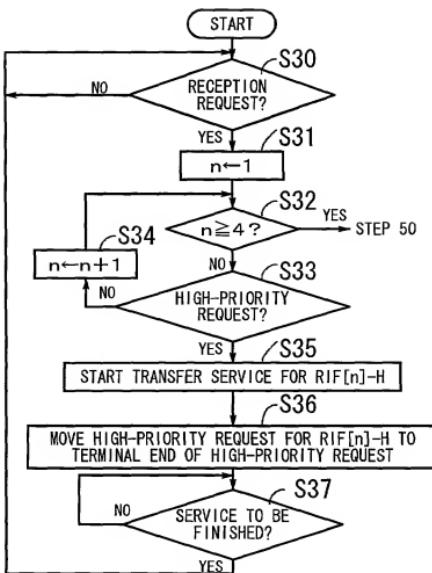


FIG. 25

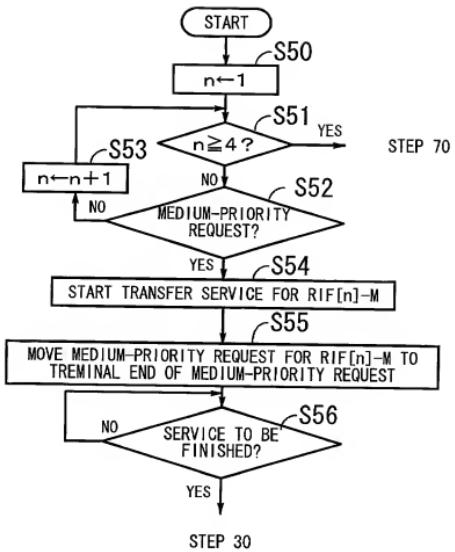


FIG. 26

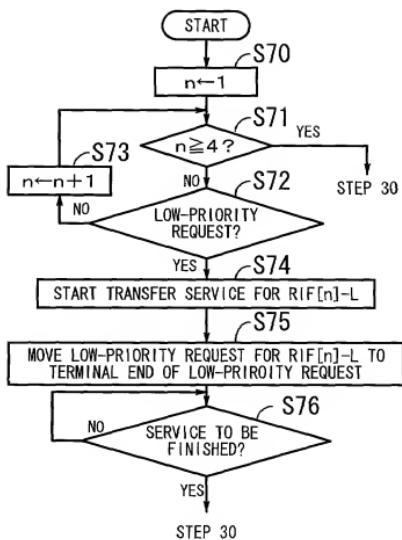
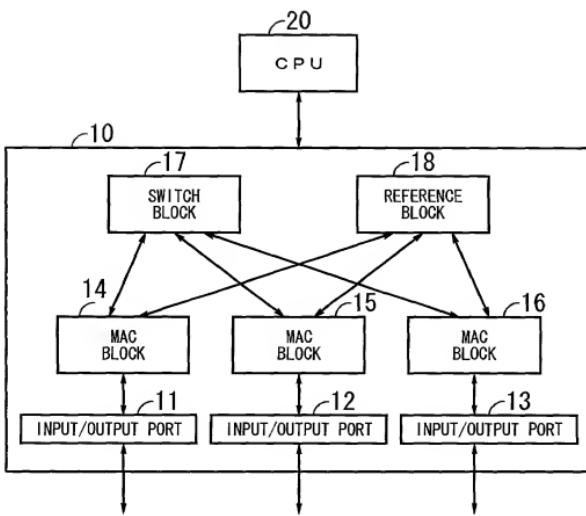
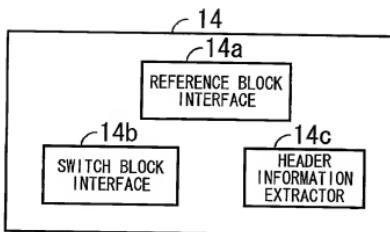


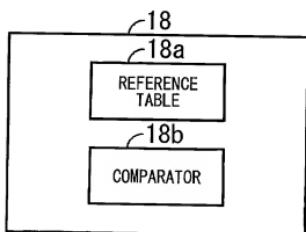
FIG. 27



PRIOR ART
FIG. 28



PRIOR ART
FIG. 29 (A)



PRIOR ART
FIG. 29 (B)

2015/00000000

REFERENCE FIELD	DATA FIELD
MAC ADDRESS #1	PORT NUMBER #1
MAC ADDRESS #2	PORT NUMBER #2
MAC ADDRESS #3	PORT NUMBER #3

PRIOR ART
FIG. 30